

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S72	0	(turbo near trellis) and (space near time) and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:16
L18	8	(turbo near trellis) and (space near time) and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:16
L17	17417	12 13 14 15 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:15
L16	7899	370/319,320,321,335,336,337,342,344,347.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:15
L15	2448	714/792,795,786.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:15
L14	100	704/242.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:15
L13	3220	455/101,25,73,103,128.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:15
L12	4548	375/219,220,265,267,299,347.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:15

## EAST Search History

S94	8	convolution\$2 and S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:04
S93	13	(US-20020105928-\$ or US-20030072395-\$ or US-20020101934-\$ or US-20020150065-\$ or US-20030133516-\$ or US-20030043928-\$ or US-20040082303-\$ or US-20030174782-\$ or US-20050069021-\$).did. or (US-6842494-\$ or US-6584593-\$ or US-6127971-\$ or US-6853688-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/13 10:43
S92	2	("20030174782").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 10:42
S91	4	tdma ofdm cdma gmsk cck qpsk fsk psk qam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/13 00:16
S90	1	interleav\$4 and S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 00:16
S89	2	("20030174782").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 00:12
S1	19	(pieter near rooyen).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 00:12

## EAST Search History

S88	59	antenna and S86 and S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 18:43
S87	22634827	@ad<"20020626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 18:42
S86	327	(turbo adj cod\$4) with (trellis tcm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 18:42
S85	41	S83 and S84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 18:42
S84	22634827	@ad<"20020626"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 18:42
S83	84	tcm and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 17:49
S82	82	tcm and S79	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 17:47

## EAST Search History

S81	49	("3633107"   "3978408"   "4001692"   "4099121"   "4369516"   "4567464"   "4577332"   "4675880"   "4733402"   "4763331"   "4953183"   "5022053"   "5029185"   "5088113"   "5101501"   "5109390"   "5202903"   "5283780"   "5305353"   "5319677"   "5396518"   "5416797"   "5418798"   "5442627"   "5457712"   "5461646"   "5461696"   "5479448"   "5481572"   "5499272"   "5553102"   "5613219"   "5675590"   "5790570"   "5848103"   "5924034"   "5943372"   "5949833"   "5960039"   "5991331"   "6034987"   "6094465"   "6115427"   "6144711"   "6185258"   "6188736"   "6393074"   "6470043"   "6549585").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 17:47
S80	17	S78 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 17:35
S79	44727	space near time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 17:35
S78	21	trellis and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 17:35
S77	44	("6115427").URPN.	USPAT	OR	ON	2006/09/08 17:32
S76	14	("3633107"   "4457004"   "4489418"   "4520490"   "4597090"   "4945549"   "5029185"   "5305353"   "5396518"   "5406585"   "5418798"   "5479448"   "5659578"   "5737365").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 17:27
S75	5	("5479448"   "6115427"   "6127971"   "6185258"   "6430231").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 15:28
S74	235	(space near time) same trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/08 15:26

## EAST Search History

S73	2	(trellis) and (space near time) and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/16 15:50
S70	4	(turbo near trellis) same (space near time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/16 15:50
S71	5	("5479448"   "6115427"   "6127971"   "6185258"   "6430231").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/16 15:43
S69	16	S63 and S68	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:17
S68	3581	375/219,220,265,267,299,347.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:16
S67	35	S66 and S65	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:16
S66	23839	(space near time)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:16
S65	194	interleaver and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:16
S64	6	S62 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:16

## EAST Search History

S62	2829	375/219,220,265,267,299,347.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:16
S39	23839	(space near time)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:16
S36	70	interleaver and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:16
S63	50	(space near time) and interleav\$4 and (turbo near encod\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:15
S8	50	(space near time) and interleav\$4 and (turbo near encod\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:15
S61	4	((("20030218973") or ("20030072381") or ("20020101934") or ("20030133516")).PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:12
S60	1	("20030112745").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:10
S59	4	((("4922507") or ("5023889")).PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:09
S58	4	(fading near correlation) same "0.5"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 15:09
S57	3	S56 and "0.5"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 14:43

## EAST Search History

S56	12	(plurality near antenna\$1) same S54	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 14:43
S54	152	fading near correlation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 14:43
S55	1	(space near time) and (turbo near trellis) and S54	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 14:41
S53	82	fading near correlation	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 14:41
S25	6	(space near time) and (turbo near trellis) and (transceiver or (receiv\$4 same transmi\$6))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 14:41
S52	37	tcm same interleaver	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 14:23
S51	6	S48 and turbo and (space near time)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 13:53
S50	6	S49 and qpsk	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 13:53
S49	6	(space near time) and S48	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 13:50
S48	162	qpsk near map\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 13:50
S47	6	(space near time) and S45	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 13:50
S46	1	(space near time) and (turbo near trellis) and S45	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 11:30

## EAST Search History

S45	162	qpsk near map\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:29
S44	77	qpsk near map\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:29
S43	2	("6584593").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:29
S42	13	interleaver and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:24
S41	294	transceiver and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:00
S40	1356	S39 and (receiver with transmitter)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:00
S38	16	interleaver and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:00
S37	382	transceiver and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:00
S33	1705	S32 and (receiver with transmitter)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:00



## EAST Search History

S32	30466	sttm or stm or (space near time)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 11:00
S35	0	(turbo near trellis) and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:59
S34	1705	S32 and (receiver with transmitter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:58
S26	6	(space near time) and (turbo near trellis) and (transceiver or (receiv\$4 same transmi\$6))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:58
S31	6735	sttm or stm	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:57
S30	52	(space near time) and S27 and interleaver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:49
S29	1143	(space near time) and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:49
S28	1	(space near time) and (turbo near trellis) and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:49
S27	1143	(space near time) and transceiver	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:48

## EAST Search History

S24	4	interleaver and (space near time) and (turbo near trellis)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 10:46
S23	0	interleaver same (space near time) same (turbo near trellis)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 10:27
S22	5	("5479448"   "6115427"   "6127971"   "6185258"   "6430231").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 10:27
S21	23	S20 and (space near time)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:01
S16	46	(diversity near gain) same (space near time)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:01
S20	45	(diversity near gain) and (coding near gain)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 10:00
S19	3	(diversity with cod\$4) and (space near time) and (turbo near trellis)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 09:59
S18	0	S16 and S17	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 09:58
S17	77	(coding near gain) same tcm	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 09:58
S14	26	(diversity near gain) with (space near time)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 09:58
S13	48	(coding near gain) with tcm	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 09:58
S15	0	S13 and S14	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 09:57
S12	1	S11 and block and convolution\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 09:57

## EAST Search History

S11	6	(US-20030133516-\$ or US-20050069021-\$ or US-20030043928-\$ or US-20020150065-\$ or US-20020101934-\$).did. or (US-6584593-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/04/25 09:50
S10	9	("5191598"   "5907582"   "5970085"   "5978365"   "5983384"   "6061387"   "6128330"   "6356528"   "6480503"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/25 09:45
S9	0	("2003/0021355").URPN.	USPAT	OR	OFF	2005/04/25 09:41
S7	9	S6 and (space near time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 09:36
S6	29	S5 and interleav\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 08:31
S5	52	alamouti.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 08:31
S4	4	S3 and encoder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 08:31
S3	20	S1 S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 07:56
S2	5	(danie near wyk).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/25 07:56